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US EPA RECORDS CENTER REGION 5



476753

M E M O R A N D U M

DATE: April 12, 1994

TO: Frank Dachtler, TAT Project Manager, E & E, Cleveland, Ohio

FROM: Emily S. Landis, TAT Geochemist, E & E, Cleveland, Ohio

VIA: Anne A. Busher, ATATL, E & E, Cleveland, Ohio ~~AB~~

RE: Analytical TDD: T059403815 Project TDD: T059403012
Analytical PAN: EOH1026AAA Project PAN: EOH1026SAA

SUBJ: pH Data Quality Assurance Review for the Formulated Products
Site, Clyde, Sandusky, Ohio

The data quality assurance review of three liquid and six solid samples, collected at the Formulated Products site on March 31, 1994, is now complete. Upon submittal to American Environmental Laboratories, the liquid samples were tested for pH electrometrically, according to EPA Method 150.1. The solids were tested after appropriate preparation, following SW-846 Method 9045.

Data Qualifications:

I Instrument Performance: Acceptable.

The pH meter was calibrated against three buffer solutions having pH 4.00, 7.00, and 10.00. Results for check standards (pH 7.00 and 10.00) were within two percent of the true values.

II Duplicate Analyses: Acceptable.

Each sample was analyzed in duplicate. The sample duplicate results were all within five percent of the initial values.

Overall Assessment of Data:

OSWER Directive 9360.4-01 (1990) contains no specific guidance regarding the evaluation of pH measurements. Given the calibration and sample duplicate results, it is the professional opinion of the reviewer that the sample results are acceptable for use as reported.